RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	MMM MMM MMM MMM MMM MMM MMMMMM MMMMMM MMMMMM MMM MMM MMM
RRR RRR	MMM MMM

OC

00 00 oc

00 oc

RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	MM MM MMM MMMM MMMM MMMM MM MM MM MM MM	NN NN NN NN NN NN NNNN NN NNNN NN NN NN	
	\$		

REI

VÕ

```
.TITLE
                                  REMINI 'V04-000'
ŎŎŎŎ
ŎŎŎŎ
ŎŎŎŎ
0000
           678
0000
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          10
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0000
0000
          2678901233355
3733355
0000
0000
0000
              : FACILITY:
                                  REMOTE I/O ACP
0000
0000
                ABSTRACT:
0000
                        THIS MODULE PERFORMS INITIALIZATION FOR THE ACP.
0000
0000
                ENVIRONMENT:
0000
```

36 :--

0000

0000

MODE = KERNEL

Page 2 (3)

0000 0000 0000	38 39 : 40 :	AUTHOR:	SCOTT G. DAVIS, CREATION DATE: 06-JUL-79
0000	41 :	MODIFIED BY:	
0000 0000 0000	42 43 44 45 46	v03-002	(WH52380 (W Hobbs 18-Jan-1983 Zero out the newly allocated VCB to prevent access violations on random data.
0000 0000 0000 0000 0000	46 47 48 49	v03 - 001	KDM0002 Kathleen D. Morse 28-Jun-1982 Added \$DYNDEF.

Page 3 (5)

```
55555555556666666668901234567
                                               INCLUDE FILES:
                                                      SAQBDEF
SDYNDEF
                                                      SPCBDEF
                                                      SREMDEF
                                                      $UCBDEF
                                                      $VCBDEF
                                               MACROS:
                                               EQUATED SYMBOLS:
                                               OWN STORAGE:
                                                       .PSECT REM_PURE,NOWRT,NOEXE
                                            LKWSET_ADDR:
                                                                                              ; DESCRIPTOR FOR LOCKING IODONE IN WSET
                               0000
0004
0008
0008
0012
                  00000000
                                                                START_LOCK
END_LOCK
                                                                                              START ADDRESS
END ADDRESS
                                                       .LONG
                                         78
79
80
54 52 00000010'010E0000'
                                            DEV_DESC:
                                                                .ASCID /RT/
                                                                                              ; for device name descriptor
```

RE VO

```
00000000
0000
0000
0000
                                          82
83
                                                       .PSECT REM_INITIALIZE,NOWRT
                                          84
85
                                 0000
                                          86
87
                                                REMSINITIALIZE - INITIALIZE THE VIRTUAL I/O ACP
                                 0000
                                                FUNCTIONAL DESCRIPTION:
                                          88
                                 0000
                                 0000
                                                       This module does the following initialization:
                                          90
                                 ŎŎŎŎ
                                          91
                                 0000
                                                       1. Allocates an AQB so REMACP can get IRP's from drivers 2. 'Mounts' all virtual devices - creates VCB's, wires the
                                          92
93
                                 0000
                                 0000
                                                           AQB to the VCB, and wires the VCB's to the template UCB
                                 0000
                                          94
                                                       Makes up tables describing the remote devices and the related
                                 0000
                                          95
                                                          object types (for DECnet).
                                 0000
                                          96
                                                       Note that there is expected to be a template UCB for each
                                 0000
                                                       virtual/remote device type which will be cloned whenever one is needed.
                                 0000
                                          98
                                 0000
                                          99
                                 0000
                                         100
                                                                                              ACP entry point
Lock IODONE into working set
GO TO KERNEL MODE FOREVER
                                 0000
                         0000
                                         101
                                             REM$INITIALIZE:: .WORD
                                                                          0
                                                       SLKWSET S
SCMKRNL S
                                 0002
                                         102
                                                                          W^LKWSET ADDR
                                                                          B^STARTUP
                                 0011
                                001D
                                         104
                            00
                                                                                              SHOULD NEVER GET HERE!!!!!!!!
                                                       HALT
                                 001E
                                         105
                                 001E
                                         106
                         0000
                                 001E
                                         107
                                             STARTUP:
                                                                 WORD
                                                                         0
                                                                                               ENTRY POINT
                016D'CF
                            DE
                                 0020
                                         108
                                                       MOVAL
                                                                W^FATAL, (FP)
                                                                                              SET UP FOR EXCEPTIONS
          6D
                                 0025
                                         109
0000'CF
                                         110
                                                                G^SYS$GW_RJOBLIM, W^REM$GB_MAXLINKS
           00000000 GF
                            30
                                 0025
                                                       MOVZWL
                                                                                               Obtain sysgen parameter for max
                                 002E
                                         111
                                                                                               number of links to support
                                         112
                                 002E
                                                                WAREMSGB_MAXLINKS,RO
                                                                                               Check range for 2 to 255
          50
                0000°CF
                            DO
                                                       MOVL
                02
                      50
                            D1
                                 0033
                                                                RO,#2
                                                       CMPL
                      09
                            19
                                0036
                                         114
                                                       BLSS
                                                                10$
                                                                                               Not enough
     000000FE 8F
                                0038
                                         115
                                                       CMPL
                                                                RO.#254
                      50
                            D1
                                                                                               Too large?
                                         116
                      05
                            15
                                003F
                                                       BLEQ
                                                                20$
                                                                                               Ok
                      10
                            90
                                0041
                                         117 105:
                                                       MOVB
                                                                #REMSC_MAXLINKS,-
                                                                                               Use constant
                                                                WAREMSGB_MAXLINKS
                0000'CF
                                 0043
                                         118
                                                                                               thats wired in
                0000 °CF
                            96
                                 0046
                                         119 20$:
                                                       INCB
                                                                W^REM$GB_MAXLINKS
                                                                                              Make it the number of terminal links
                                 004A
                                         120
                                 004A
                                         121
                                         122
                                 004A
                                                BUILD THE ACP QUEUE BLOCK(AQB)
                                 004A
                                         124
                                004A
                      10
                            9A
                                                       MOVZBL
                                                                #AQB$C_LENGTH,R1
                                                                                              Length of AQB
           00000000 GF
                            16
E8
                                004D
0053
                                                                G^EXESALONONPAGED RO,30$
                                                                                              Get a chunk of storage
                                                       JSB
                  OD 50
                                         126
                                                                                              If LBS successful allocation
                                                       BLBS
                                 0056
                                         127
                                                       SEXIT_S #SSS_INSFMEM
                                                                                            ; Exit with status
                                         128 30$:
                                 0063
                                 0063
                                         129
                                         130
                                 0063
                                             ; FILL IN THE AQB
                                 0063
                                         131
                                         132
133
                                 0063
            08 A2
0A A2
62
04 A2
                                 0063
                                                       MOVW
                                                                #AQB$C_LENGTH,AQB$W_SIZE(R2); Record size of AQB
                      03
52
52
A2
                            90
                                                                S^#DYN$C_AQB,AQB$B_TYPE(R2); Note type of block
                                 0067
                                         134
                                                       MOVB
                                                                R2, AOB$L ACPOFL (R2)
                                                                                            ; Set queue forward link
                            00
                                 006B
                                         135
                                                       MOVL
                                 006E
0072
                            D0
                                         136
                                                       MOVL
                                                                R2,AQB$L ACPQBL (R2)
                                                                                              Set queue back link
                   08
                            94
                                         137
                                                       CLRB
                                                                AQB$B_MNTCNT(R2)
                                                                                            ; Initialize mount count
                                 0075
                                         138 :
```

RE VO

	0075 139 : LINK THE AQB	INTO THE AQB LIST
15 A8 05 90 0000'CF 58 D0	0075 139 : LINK THE AQB 0075 140 : 0075 141 0075 142 BSBW 0078 143 MOVB 007C 144 MOVL 0081 145 :	REM\$LINK_AQB ; Link in the AQB #AQB\$K_REM,AQB\$B_ACPTYPE(R8); Mark the ACP type P8,W^REM\$GL_Q_HEAD ; Save the AQB header address
	0081 146 Determine dri 0081 147	ver information
51 0008'CF 7E FF77' 30 3A 50 E9 0000'CF 51 D0 55 51 D0 009C 30 2C 50 E9	0081 148 MOVAQ 0086 149 BSBW 0089 150 BLBC 008C 151 MOVL 0091 152 MOVL 0094 153 BSBW 0097 154 BLBC	W^DEV_DESC,R1 ; Set up device name descriptor REM\$FIND_UCB ; Find the associated UCB RO,40\$; GO_AWAY ; If LBC device not found R1,W^REM\$GE_TEMPLATE ; Save the UCB template address R1,R5 ; Set up to allocate VCB REM\$ALLOC_VCB ; Allocate a VCB for this device RO,40\$; GO_AWAY ; If LBC error
	009A 158: to them.	pace for all the vectors and build the pointers
54 00000000 EF 9A 0000 CF 54 7A 55 00000 FF 8F	009A 159; 009A 160 MOVZBL 00A1 161 EMUL 00A6 162	REM\$GB_MAXLINKS, R4 ; The maximum links R4, W^REM\$GL_VECSIZE,- ; Obtain the total size of vectors #511, R5 ; rounded up by a page
55 00000200 8F C6 55 D6	00AC 163 DIVL2 00B3 164 INCL 00B5 165 SEXPREG 00B5 166	#512, R5 ; Make number of pages R5 ; Just to make sure G_S = ; Obtain the space FRACENT = R5 = : Number of pages
67 50 E9 53 0000'CF D0 52 0000'CF DE 00 B2 53 D0 92 04 A2 C2 51 54 82 C5 53 51 C0 62 D5 ED 12	00B5 167 00C6 168 40\$: BLBC 00C9 169 MOVL 00CE 170 MOVAL 00D3 171 50\$: MOVL 00D7 172 SUBL2 00DB 173 MULL3 00DF 174 ADDL2 00E2 175 TSTL	RETADR = W^REM\$GL_UCBVEC; Return address here RO, GO_AWAY; Not available or something W^REM\$GL_UCBVEC, R3; Obtain address of space W^REM\$GT_VECTBL, R2; Control vector R3, a(R2); Store the address in the pointer 4(R2), a(R2)+; Back up by the width of entry (R2)+, R4, R1; Make size of this vector R1, R3; Point beyond this vector (R2); End of table
0000°CF 53 02 C3	00E4 176 BNEQ 00E6 177 SUBL3 00EC 178 00EC 179	<pre>50\$</pre>
	00EC 181 00EC 182; 00EC 183; Allocate spac 00EC 184;	e for receive buffers
	00EC 185 00EC 186; R4 = ma 00EC 187	oxlinks
52 00000000 GF 3C 55 000001 FF 8F 54 52 7A 55 00000200 8F C6	00EC 188 MOVZWL 00F3 189 EMUL	G^IOC\$GW_MAXBUF,R2 ; Max I/O size R2,R4,#5T1,R5 ; Space needed in bytes #512,R5 ; This is the PAGCNI
55 000001FF 8F 54 52 7A 55 00000200 8F C6 55 00000200 FF C6 55 D6 53 0000 CF D0 83 D5	00FC 190 DIVL2 0103 191 INCL 0105 192 MOVL 010A 193 TSTL	R5 ; Round up, just in case W^REM\$GL_RBUFVEC,R3 ; This is where to put the count (R3)+ ; Advance to the first real spot
	010C 194 SEXPREG	PAGCNT= R5- : No. of pages RETADR= (R3) : Where to return (2 longwords needed)

Page

; Clean up everything and say goodbye

BRW

FECD'

31

REMSGO_AWAY

16-SEP-1984 02:09:38 5-SEP-1984 02:53:53

VAX/VMS Macro V04-00

[REM.SRC]REMINI.MAR; 1

REMINI

V04-000

```
214
215
216
217
                                                                        REM$ALLOC_VCB - This routine allocates a VCB and hooks everything together
                                                                                        218
219
                                                                                                    INPUTS:
                                                                                       R5 - UCB address
                                                                                                    OUTPUTS:
                                                                                                                 RO - LBC => error; LBS => OK
                                                                                                    SIDE EFFECTS
                                                                                                                 VCB is hooked to UCB
                                                                                                                 AQB is hooked to VCB
                                                                                                                 AQB mount count is set to 1
                                                                        0133
                                                                        0133
                                                                                                REM$ALLOC_VCB::
                                                                        0133
                                                                        0133
                                                                                                    Now allocate a VCB and mark the device mounted
                                                                         0133
                                                                                                                MOVZBL #VCB$C_LENGTH,R1 ; Get length of block

JSB G^EXE$ALONONPAGED ; Allocate the storage

BLBC R0,10$ ; If LBC couldn't allocate

PUSHR #^M<R0,R1,R2,R3,R4,R5> ; Protect registers from the movc5

MOVC5 #0, (SP), #0, #VCB$C_LENGTH, (R2) ; Zero the newly allocated VCB

POPR #^M<R0,R1,R2,R3,R4,R5> ; Restore the registers

MOVB S^#DYN$C VCB,VCB$B_TYPE(R2) ; Set structure type

MOVZBW #VCB$C_LENGTH,VCB$W_SIZE(R2) ; Set size of VCB

MOVW #1,VCB$W_TRANS(R2) ; Set the traditional ACP idle count

CLRW VCB$W_MCOUNT(R2) ; No terminals mounted yet.

MOVL W^REM$GL_Q_HEAD,R0 ; Get AQB address

INCB AQB$B_MNTCNT(R0) ; Bump the mount count

MOVAB (R0)+,VCB$L_AQB(R2) ; Link AQB to VCB and set success
                                  51 EC 8F
00000000 Gr
2C 50
                                                                        0133
                                                                        0137
013D
                                                                16
                                                                Ë9
                                                               BB
2C
                                                      3F
                                                                        0140
          00EC 8F
                                                                        0142
62
                                                      ŠF
                                                                ΒĂ
                                                                        014A
                                                                90
                                                                        0140
                                               EC
                                                                9B
                                                                        0150
                                                     Ŏ1
                                    OC A2
                                                                B0
                                                                        0155
                                                                B4
                                                                        0159
                                           0000'CF
                                                                DO
                                                                        015C
                                50
                                               ÓB
                                                                96
                                                                        0161
                                                                                                                                 (RO)+,VCB$L_AQB(R2)
R2,UCB$L_VCB(R5)
                                                     80
52
                                                                9E
00
                                    10 A2
34 A5
                                                                                                                                                                                     ; Link AQB to VCB and set success
                                                                        0164
                                                                                                                 MOVAB
                                                                        0168
                                                                                                                 MOVL
                                                                                                                                                                                      : Link VCB to UCB
                                                                        0160
                                                                                                105:
                                                                05
                                                                        0160
                                                                                                                 RSB
                                                                                                                                                                                     ; Done
```

255 256; 257; COME 258; 259 FATAL: 260 261 262 263 COME HERE IF THERE ANY EXCEPTIONS 0000 .WORD 0
BUG_CHECK FATALEXCPT, FATAL

L 6

.END REMSINITIALIZE

RE VO

IT ACRIVE	= 00000000	VCB\$W_TRANS

\$\$ T1	=	00000000		
AQB\$B_ACPTYPE	=	00000015		
, AQB\$B_MNTCNT	=	0000000B		
ANDED THEF		00000000		
AQB\$B_TYPE AQB\$C_LENG1H AQB\$K_REM	=	A000000A		
AQRSCTLENGTH	=	0000001C		
ANDER DEM		0000000		
ANDOK KEM	=	00000005		
IAMBAL ALPUBL	=	00000004		
AORSI TACPOFI	=	00000000		
ACDELICIZE	=	00000008		
AQB\$L_ACPQFL AQB\$W_SIZE BUG\$_FATALEXCPT	_			
BUGS_FATALEXCPT		******	X	03
DEN BESC		8000000	R	Ď.
DEV DESC DYNSC_AQB	_	00000003	• • • • • • • • • • • • • • • • • • • •	Ų.
DINACAND	=			
DYNSCTVCB	=	00000011		
END_LOCK		******	X	0.2
EXESALONONPAGED			â	Ä
EXESALUNUMPAGED		*****		Ų.
FATAL		0000016D	R	0.5
GO_AWAY		00000130	R	Ųį
TOPECH MAYDUE		444444		X
IOCSGW_MAXBUF			_ X	Ϋ́
LKWSET_ADDR		00000000	R	000000000000000000000000000000000000000
I REMSAL FOR VER		00000133	RG	Ų
REMSC_CURECO REMSC_CURVRS REMSC_LNK_READ	_	700000133		V .
KEMBL_LUKELU	=	00000001		
REMSC_CURVRS	=	00000001		
REMSC INK READ	=	00000002		
REMSC_MAXDEVS	=	000000A		
I KEMBU MANEYS				
REMSC_MAXLINKS	=	00000010		
REMSC_MAXUNITS	=	00000010		
DEMEC MOV DEAD	=	00000001		
REMSC_MBX_READ				
KEW2C_21_VIIKIR	=	00000002		
REMSC_ST_ATTRIB REMSC_ST_CONFIG	=	00000001		
REMSFIND_UCB				
L KEMPTIND OCD			v	n a
			X	03
REM\$GB_MAXLINKS		******	X	03
REMSGB_MÄXLINKS REMSGL Q HEAD		*******	X	03 03 03
REMSGB_MAXLINKS REMSGL_Q_HEAD REMSGL_REUEVEC		*******	X	03 03 03
REMSGB_MAXLINKS REMSGL_Q_HEAD REMSGL_RBUFVEC		*******	X X X	03
REMSGL_Q_HEAD REMSGL_RBUFVEC		*******	X X X	03
REMSGL_Q_HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE		*******	X X X	03 03 03 03
REMSGL_Q_HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCRVEC		*******	X X X X	033000000000000000000000000000000000000
REMSGL_Q_HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCRVEC		******	X X X X	000000000000000000000000000000000000000
REMSGL_Q_HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGL_VECSIZE			X X X X X	000000000000000000000000000000000000000
REMSGL_Q_HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCRVEC			X X X X	
REMSGL_Q_HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGL_VECSIZE REMSGO_AWAY			X X X X X X	
REMSGL_Q_HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGL_VECSIZE REMSGC_AWAY REMSGT_VECTBL		******	X X X X X X X X	
REMSGL_Q_HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGL_VECSIZE REMSGO_AWAY REMSGT_VECTBL REMSINITIALIZE			X X X X X X X RG	
REMSGL_Q_HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGL_VECSIZE REMSGO_AWAY REMSGT_VECTBL REMSINITIALIZE REMSLINK_AQB		******	X X X X X X X R G	
REMSGL_Q_HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGL_VECSIZE REMSGO_AWAY REMSGT_VECTBL REMSINITIALIZE REMSLINK_AQB		******	X X X X X X X R G	
REMSGL_Q_HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGL_VECSIZE REMSGO_AWAY REMSGT_VECTBL REMSINITIALIZE REMSHINK_AQB REMSMAIN		******	X X X X X X X R G X	
REMSGL_Q_HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGL_VECSIZE REMSGO_AWAY REMSGT_VECTBL REMSINITIALIZE REMSLINK_AQB REMSMAIN REMSXPORT_START		00000000	X X X X X X X R G X X	
REMSGL_Q_HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGC_AWAY REMSGT_VECTBL REMSINITIALIZE REMSMAIN REMSXPORT_START SS\$_INSFMEM		00000000	X X X X X X X R G X X X X	
REMSGL_Q_HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGC_AWAY REMSGT_VECTBL REMSINITIALIZE REMSMAIN REMSXPORT_START SS\$_INSFMEM		00000000	X X X X X X X R G X X	
REMSGL_Q HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGL_VECSIZE REMSGC_AWAY REMSGT_VECTBL REMSINTTIALIZE REMSINK_AQB REMSMAIN REMSXPORT_START SS\$_INSFMEM STARTUP		00000000	X X X X X X X X X X X X X X X X X X X	
REMSGL_Q HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGL_VECSIZE REMSGC_AWAY REMSGT_VECTBL REMSINTTIALIZE REMSINTTIALIZE REMSMAIN REMSXPORT_START SS\$_INSFMEM STARTUP START_LOCK		00000000	X X X X X X X X X X X X X X X X X X X	
REMSGL_Q_HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGL_VECSIZE REMSGO_AWAY REMSGT_VECTBL REMSINITIALIZE REMSLINK_AQB REMSMAIN REMSXPORT_START SS\$_INSFMEM STARTUP START_LOCK SYSSCMKRNL		00000000	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
REMSGL_Q_HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGL_VECSIZE REMSGO_AWAY REMSGT_VECTBL REMSINITIALIZE REMSLINK_AQB REMSMAIN REMSXPORT_START SSS_INSFMEM STARTUP START_LOCK SYSSCAKRNL SYSSEXIT		00000000	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
REMSGL_Q_HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGL_VECSIZE REMSGO_AWAY REMSGT_VECTBL REMSINITIALIZE REMSLINK_AQB REMSMAIN REMSXPORT_START SSS_INSFMEM STARTUP START_LOCK SYSSCAKRNL SYSSEXIT		00000000	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
REMSGL_Q HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGC_WAY REMSGT_VECTBL REMSINITIALIZE REMSINITIALIZE REMSMAIN REMSXPORT_START SSS_INSFMEM STARTUP START_LOCK SYSSCMKRNL SYSSEXIT SYSSEXPREG		00000000 000000000 0000001E	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
REMSGL_Q HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGO_AWAY REMSGT_VECTBL REMSINITIALIZE REMSINITIALIZE REMSMAIN REMSMAIN REMSMAIN STARTUP START_LOCK SYSSCMKRNL SYSSCMKRNL SYSSEXIT SYSSEX_RJOBLIM		00000000	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
REMSGL_Q HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGC_AWAY REMSGT_VECTBL REMSINITIALIZE REMSINITIALIZE REMSMAIN REMSMAIN REMSMAIN REMSMAIN STARTUP START LOCK SYSSCHKRNL SYSSCHKRNL SYSSCHKOSET		00000000 *****************************	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	000000000000000000000000000000000000000
REMSGL_Q HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGC_AWAY REMSGT_VECTBL REMSINITIALIZE REMSINITIALIZE REMSMAIN REMSMAIN REMSMAIN REMSMAIN STARTUP START LOCK SYSSCHKRNL SYSSCHKRNL SYSSCHKOSET	=	00000000 *****************************	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
REMSGL_Q HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGC_VECSIZE REMSGO_AWAY REMSGT_VECTBL REMSINITIALIZE REMSINITIALIZE REMSMAIN REMSXPORT_START SSS_INSFMEM STARTUP START_LOCK SYSSCMKRNL SYSSCMKRNL SYSSEXIT SYSSEXIT SYSSEXIT SYSSEXIT SYSSLKDSET UCBSL_VCB		00000000 *****************************	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
REMSGL_Q HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGC_VECSIZE REMSGO_AWAY REMSGT_VECTBL REMSINITIALIZE REMSINITIALIZE REMSMAIN REMSXPORT_START SSS_INSFMEM STARTUP START_LOCK SYSSCMKRNL SYSSEXIT SYSSEXIT SYSSEXIT SYSSEXIT UCBSL_VCB VCBSB_TYPE	=	00000000000000000000000000000000000000	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
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REMSGL_Q HEAD REMSGL_RBUFVEC REMSGL_REJ_CHAN REMSGL_TEMPLATE REMSGL_UCBVEC REMSGC_WAY REMSGT_VECTBL REMSINITIALIZE REMSINITIALIZE REMSAIN REMSMAIN REMSMAIN REMSMAIN STARTUP START_LOCK SYSSCMKRNL SYSSCMKRNL SYSSEXIT SYSSEXIT SYSSEXIT UCBSL_VCB VCBSB_TYPE VCRSC_LENGTH	=	00000000 00000001E 0000001E 00000034 00000004 0000000EC	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
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= 0000000C

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes		
. ABS . SABS\$ REM_PURE REM_INITIALIZE	00000000 (0.) 00000000 (0.) 00000012 (18.) 00000173 (371.)	00 (0.) 01 (1.) 02 (2.) 03 (3.)	NOPIC USR CON NOPIC USR CON NOPIC USR CON NOPIC USR CON	ON ABS LCL NOSHR EXË RD WRT NOVEC BY 1 ON REL LCL NOSHR NOEXE RD NOWRT NOVEC BY 1	TE TE

Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	43	00:00:00.07	00:00:00.52
Command processing	173	00:00:00.72	00:00:02.38
Pass 1	280	00:00:07.98	00:00:17.73
Symbol table sort	0	00:00:01.26	00:00:02.37
Pass 2	66	00:00:01.52	00:00:03.79
Symbol table output	8	00:00:00.08	80.00:00:00
Psect synopsis output	5	00:00:00.03	00:00:00.03
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	578	00:00:11.66	00:00:26.91

The working set limit was 1200 pages.
44377 bytes (87 pages) of virtual memory were used to buffer the intermediate code.
There were 50 pages of symbol table space allocated to hold 877 non-local and 8 local symbols.
263 source lines were read in Pass 1, producing 16 object records in Pass 2.
20 pages of virtual memory were used to define 19 macros.

! Macro library statistics !

Macro library name Macros defined

\$255\$DUA28:[REM.OBJ]REM.MLB:1

\$255\$DUA28:[SYS.OBJ]LIB.MLB:1

\$255\$DUA28:[SYSLIB]STARLET.MLB:2

TOTALS (all libraries)

977 GETS were required to define 16 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LISS:REMINI/OBJ=OBJS:REMINI MSRCS:REMINI/UPDATE=(ENHS:REMINI)+EXECML\$/LIB+LIBS:REM/LIB

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